Transcript Analysis							
Locus	Primer name	Primer sequences 5' > 3'	Chr	Hg19 primer positions (5' > 3')		PCR Condition	PCR Amplification
Zap70	ZAP70_tr_F	CTTCATCGAGCAGGGCAAGC	2	98354484	98354503	SYBR Green Buffer 1X (Roche), [Primers F+R]= 0,5µM, cDNA (1/5)= 2µL	Lightcycler 480 95°C -> 2min 55 Cycles {95°C -> 12s ; 62°C -> 12s ; 72°C -> 12s} Melting curve 40°C -> 10s
	ZAP70_tr_R	CTGCTCCACGGTCAGGAAGT		98355855	98355874		
GAS2	GAS_tr_F	CTAGCCAGCAGACATGAAGCT	11	22696488	22696508	SYBR Green Buffer 1X (Roche), [Primers F+R]= 0,5µM, cDNA (1/5)= 2µL	Lightcycler 480 95°C -> 2min 55 Cycles {95°C -> 12s ; 62°C -> 12s ; 72°C -> 12s} Melting curve 40°C -> 10s
	GAS_tr_R	CCGAGGGTGCACTGGTTTTG		22747864	22747883		
PRAME	PRAME_tr_F	ATTTCCCCGGAGAAGGAAGA	22	22892256	22892275	SYBR Green Buffer 1X (Roche), [Primers F+R]= 0,5µM, cDNA (1/5)= 2µL	Lightcycler 480 95°C -> 2min 55 Cycles {95°C -> 12s ; 62°C -> 12s ; 72°C -> 12s} Melting curve 40°C -> 10s
	PRAME_tr_R	GCTGGGACTCTGGGACAGAT		22890978	22890997		
Inpp5fV2	IV2_tr_F	GACGTAATTTTTATGGCTTGGCTC	10	121579005	121579029	SYBR Green Buffer 1X (Roche), [Primers F+R]= 0,5µM, cDNA (1/5)= 2µL	Lightcycler 480 95°C -> 2min 55 Cycles {95°C -> 12s ; 62°C -> 12s ; 72°C -> 12s} Melting curve 40°C -> 10s
	IV2_tr_R	ACAGCACATCCACGTCTCTGT		121580375	121580395		
WT1	WT1_Up_tr_F	CGCTATTCGCAATCAGGGTTAC	11	32456247-32456262	32450166-32450160	SYBR Green Buffer 1X (Roche), [Primers F+R]= 0,5µM, cDNA (1/5)= 2µL	Lightcycler 480 95°C -> 2min 55 Cycles {95°C -> 12s ; 62°C -> 12s ; 72°C -> 12s} Melting curve 40°C -> 10s
	WT1_tr_2R	ATGGGATCCTCATGCTTGAATG		32450063	32450084		
WT1	WT1_tr_F	CCACAGCACAGGGTACGAGA	11	32421571	32421590	SYBR Green Buffer 1X (Roche), [Primers F+R]= 0,5µM, cDNA (1/5)= 2µL	Lightcycler 480 95°C -> 2min 55 Cycles {95°C -> 12s ; 62°C -> 12s ; 72°C -> 12s} Melting curve 40°C -> 10s
	WT1_tr_R	GCCTGGGTAAGCACACATGA		32417861	32417880		
WT1	WT1_Dwn_tr_F	GAGCAGGGCTCTGAGGATTG	11	32452125	32452144	SYBR Green Buffer 1X (Roche), [Primers F+R]= 0,5µM, cDNA (1/5)= 2µL	Lightcycler 480 95°C -> 2min 55 Cycles {95°C -> 12s ; 62°C -> 12s ; 72°C -> 12s} Melting curve 40°C -> 10s
	WT1_tr_2R	ATGGGATCCTCATGCTTGAATG		32450063	32450084		
SDHA	SDHA_tr_F	ACATCGGAACTGCGACTCA	5	240562	240581	SYBR Green Buffer 1X (Roche), [Primers F+R]= 0,5µM, cDNA (1/5)= 2µL	Lightcycler 480 95°C -> 2min 55 Cycles {95°C -> 12s ; 62°C -> 12s ; 72°C -> 12s} Melting curve 40°C -> 10s
	SDHA_tr_R	TTCTTGCAACACGCTTCCC		251139	251158		
GUSB	GUSB_tr_F	CATCGATGACATCACCGTCAC	7	65444409	65444429	SYBR Green Buffer 1X (Roche), [Primers F+R]= 0,5µM, cDNA (1/5)= 2µL	Lightcycler 480 95°C -> 2min 55 Cycles {95°C -> 12s ; 62°C -> 12s ; 72°C -> 12s} Melting curve 40°C -> 10s
	GUSB_tr_R	ACAGGTTACTGCCCTTGACA		65441148	65441167		
HMBS	HMBS_tr_F	AGAGTGATTCGCGTGGGTA	11	11895898	118959004	Tampon SYBR Green 1X, [Primers F+R]= 0,5µM, cDNA (1/5)= 2µL	Lightcycler 480 95°C -> 2min 55 Cycles {95°C -> 12s ; 62°C -> 12s ; 72°C -> 12s} Melting curve 40°C -> 10s
	HMBS_tr_R	CTTTCAATGTTGCCACCACAC		118959367	118959387		

Methylation Analysis						
Primer name	Primer sequences 5' > 3'	Hg19 primer positions (5' > 3')		PCR Condition	PCR Amplification	Restriction Enzyme for COBRA
ZAP70_Bis_F	GTATTAGGTTTAGGAAGGTTTTGA	98340426	98340450	HotStar Taq Buffer 1X, [dNTP]f = 0,1mM, [$MgCl_2$]f = 1mM, [Primers F+R]f = 0,4µM, **HotStar Taq DNA polymerase(Qiagen)** = 1U, 1µL bisulfited DNA, qsp 20µL	95°C -> 15min 45 cycles { 95°C -> 30s ; 63°C -> 30s ; 72°C -> 20s} 72°C -> 10 min	Taq1
ZAP70_Bis_R	CTCTCACCTCCAACTTCCAC	98340889	98340909			
GAS_Bis_F	AATTTGTGGGGATTAGTATATTTAG	22687553	22687578	HotStar Taq Buffer 1X, [dNTP]f = 0,1mM, [$MgCl_2$]f = 1mM, [Primers F+R]f = 0,4µM, **HotStar Taq DNA polymerase(Qiagen)** = 1U, 1µL bisulfited DNA, qsp 20µL	95°C -> 15min 45 cycles { 95°C -> 30s ; 58°C -> 30s ; 72°C -> 20s} 72°C -> 10 min	BstU1
GAS_Bis_R	AATATCAAAAACAATTATCTCCAAC	22687677	22687702			
PRAME_Bis_F	TTTIGAGTTTGTAGAGGATTT	22901510	22901531	HotStar Taq Buffer 1X, [dNTP]f = 0,1mM, [$MgCl_2$]f = 1mM, [Primers F+R]f = 0,4µM, **HotStar Taq DNA polymerase(Qiagen)** = 1U, 1µL bisulfited DNA, qsp 20µL	95°C -> 15min 45 cycles { 95°C -> 30s ; 56°C -> 30s ; 72°C -> 20s} 72°C -> 10 min	HpyCH4IV
PRAME_Bis_R	CCTCTCCCCTTACCAAAA	22901785	22901803			
IV2_Bis_F	GGTGTAGGTAGTTGTTTGAGTTT	121578261	121578284	HotStar Taq Buffer 1X, [dNTP]f = 0,1mM, [$MgCl_2$]f = 1mM, [Primers F+R]f = 0,4µM, **HotStar Taq DNA polymerase(Qiagen)** = 1U, 1µL bisulfited DNA, qsp 20µL	95°C -> 15min 5 Cycles {95°C -> 30s ; 61°C -> 30s ; 72°C -> 40s} 40 cycles { 95°C -> 30s ; 61°C -> 30s ; 72°C -> 20s} 72°C -> 10 min	Taq1
IV2_Bis_R	AAAACAAAAACCCTTTAAATATTTC	121578682	121578707			